



Standards *Actions*

DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSM) will provide selected reviewers with copies for comment. The full text of these documents is available on the Technical Standards Program Web Site at the URL shown at the bottom of this page. If you wish to comment on these documents, please notify your TSM.

- *Establishing and Maintaining a Facility Representative Program at DOE Nuclear Facilities*, Project Number FACR-0019, (Joseph Hassenfeldt, FM-10, 202-586-1643; Joseph.Hassenfeldt@hq.doe.gov); comments due August 1, 1997.

- *Radiological Safety Training for Uranium Facilities*, Project Number 6910-0056, (Peter O'Connell, EH-52, 301-903-5641, Peter.O'Connell@eh.doe.gov); comments due August 25, 1997.

DOE Documents Recently Published

The following DOE documents have recently been published:

- DOE-TSL-1-97, *Department of Energy Standards Index*, June 1997.
- DOE-TSL-4-97, *Directory of DOE & Contractor Personnel Involved in Non-Government Standards Activities*, June 1997.

DOE employees and DOE contractors may obtain copies from the DOE Office of Scientific and Technical Information (OSTI), P.O. Box 62, Oak Ridge, Tennessee 37831; telephone 423-576-8401 or FAX 423-576-5728.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; telephone 703-487-4650 or FAX 703-321-8547.

The Technical Standards Program is sponsoring a project at OSTI to place all DOE technical standards (i.e., DOE Standards, Specifications, Handbooks, and Technical Standards Lists) on the Internet. To date, 121 DOE technical standards have been placed on the Internet at the address shown at the bottom of this page.

The following DOE technical standards have recently been placed on the Internet:



Visit the Technical Standards Program Web Site: <http://apollo.osti.gov/html/techstds/techstds.html>

- DOE-SPEC-3021-97, *Uninterruptible Power Supply (UPS) Systems*, April 1997.
- DOE-TSL-1-97, *Department of Energy Standards Index*, June 1997.

- DOE-TSL-4-97, *Directory of DOE & Contractor Personnel Involved in Non-Government Standards Activities*, June 1997.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Please note that distribution of *ANSI Standards Action* is normally made only to individual members

of ANSI or in group mailings to site members of ANSI. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, call Susan Bose at 212-642-4948, Email sbose@ansi.org. For further information on distribution policies of ANSI publications, call the ANSI distribution manager at 212-642-4952.

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, NY 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards developing organizations, and additional information about submitting comments.

The following American National Standards are currently in coordination:

- A250.6-1997, *Hardware on Standard Steel Doors (Reinforcement Application)* (new standard); comments due August 5, 1997.
- ANS 5.10, *Airborne Release Fractions at Non-Reactor Nuclear Facilities* (new standard); comments due August 5, 1997.

Technical Standards Program Document Status as of 6/30/97

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
4	46	20	2

Total in process = 66

- ANS 8.1, *Nuclear Criticality Safety in Operations with Fissionable Materials Outside Reactors* (revision of ANSI/ANS 8.1-1983 (R1988)); comments due August 5, 1997.
- ANS 8.22, *Nuclear Criticality Safety on Limiting and Controlling Moderators* (new standard); comments due August 5, 1997.
- ASME BPVC Revision: 1997 Addenda, *ASME Boiler and Pressure Vessel Code* (revision of 2/28/97 Meeting); comments due August 5, 1997.
- ASTM Z5291Z, *Test Method for Examination of Gas-Filled Filament-Wound Composite Pressure Vessels Using Acoustic Emission* (new standard); comments due August 5, 1997.
- ASTM Z6495Z, *Guide for General Criteria for Supplier's Declaration of Conformity* (new standard); comments due August 5, 1997.
- ASTM Z6556Z, *Guide for General Requirements for Assessment and Accreditation of Certification/Registration Bodies* (new standard); comments due August 5, 1997.
- ASTM Z6557Z, *Guide for General Requirements for Bodies Operating Assessment and Certification/Registration of Quality Systems* (new standard); comments due August 5, 1997.
- ASTM Z6558Z, *Method for General Requirements for Bodies Operating Product Certification Systems* (new standard); comments due August 5, 1997.
- ASTM Z6562Z, *Practice for Handling, Transportation, and Storage of HFC-23 (Trifluoromethane, CHF₃)* (new standard); comments due August 5, 1997.
- ASTM Z6794Z, *Test Method for Determination of Hydrocarbon Impurities in Ethylene by Gas Chromatography* (new standard); comments due August 5, 1997.
- ASTM Z6795Z, *Test Method for Determination of Corrosion Preventive Properties of Lubricating Greases Under Dynamic Wet Conditions (Emcor Test)* (new standard); comments due August 5, 1997.
- ASTM Z6796Z, *Test Method for Determination of Polychlorinated Biphenyls (PCB's) in Waste Materials by Gas Chromatography* (new standard); comments due August 5, 1997.
- ASTM Z6797Z, *Standard Gledhill Shake Flask Test Method for Determining the Aerobic Aquatic Biodegradation of Lubricants or Their Components* (new standard); comments due August 5, 1997.
- ASTM Z6798Z, *Practice for Applying Statistical Quality Assurance Techniques to Evaluate Analytical Measurement System Performance* (new standard); comments due August 5, 1997.
- C57.12.28, *Switchgear and Transformers - Pad-Mounted Equipment - Enclosure Integrity* (revision of ANSI C57.12.28-1996); comments due August 5, 1997.
- ICEA S-91-674-1997, *Coaxial and Coaxial/Twisted Pair Composite Buried Service Wires* (new standard); comments due August 5, 1997.
- UL 260, *Standard for Safety for Dry Pipe and Deluge Valves for Fire-Protection Service* (new standard); comments due August 5, 1997.

The following newly published American National Standards are available from ANSI:

- ANSI A10.39-1996, *Construction Safety and Health Audit Program*.

- ANSI S12.17-1996, *Impulse Sound Propagation for Environmental Noise Assessment*.
- ANSI/NFPA 80A-1996, *Protection of Buildings from Exterior Fire Exposures*.
- ANSI/NFPA 170-1996, *Fire Safety Symbols*.

The following international standards are currently in coordination (comment due dates follow each entry):

- EN 297: 1994/prA4, *Gas-fired central heating boilers - Type B₁₁ and B_{11BS} boilers, fitted with atmospheric burners of nominal heat input not exceeding 70 kW* - September 10, 1997.
- ISO/DIS 9809-2, *Transportable seamless steel gas cylinders - Design, construction and testing - Part 2: Quenched and tempered steel cylinders with tensile strength greater than or equal to 1 100 MPa* - August 15, 1997.
- ISO/DIS 12714, *Non-destructive testing - Secondary calibration of acoustic emission transducers* - August 8, 1997.
- ISO/DIS 14020, *Environmental labels and declarations - General principles* - August 22, 1997.
- ISO/DIS 14855, *Plastics - Evaluation of the ultimate aerobic biodegradability and disintegration under controlled composting conditions - Method by analysis of released carbon dioxide* - August 8, 1997.
- prEN 671-3, *Fixed firefighting systems - Hose systems - Part 3: Maintenance of hose reels with semi-rigid hose and hose systems with lay-flat hose* - September 10, 1997.
- prEN 1964-3, *Transportable gas cylinders - Specification for the design and construction of refillable transportable seamless steel gas cylinders of capacity from 0,5 litres up to 150 litres - Part 3: Stainless steel cylinders* - September 10, 1997.
- prEN 12255-7, *Wastewater treatment plant - Part 7: Biological fixed-film reactors* - September 17, 1997.
- prEN 12798, *Transport quality system - Road, rail and inland navigation transport of dangerous goods with regard to safety* - September 10, 1997.
- prEN 12817, *Inspection and requalification of LPG tanks less than 13m³ overground* - September 3, 1997.
- prEN 12818, *Inspection and requalification of LPG tanks less than 13m³ overground* - September 3, 1997.
- prEN 12838, *Installations and equipment for liquefied natural gas - Suitability testing of LNG sampling systems* - September 10, 1997.
- prEN 12841, *Personal protective equipment for prevention of falls from a height - Work positioning systems - Rope adjustment devices* - September 10, 1997.
- prEN 12837, *Paints and varnishes - Qualification of paint inspectors for corrosion protection of steel structures by protective paint systems* - September 10, 1997.

The following newly published international standards are available from ANSI:

- IEC 61442: 1997, *Electric cables - Test methods for accessories for power cables with rated voltages from 6 kV (U_m = 7,2 kV) up to 30 kV (U_m = 36 kV)*.
- ISO 4287: 1997, *Geometrical Product Specifications (GPS) - Surface texture: Profile method - Terms, definitions and surface texture parameters*.

- ISO 6165: 1997, *Earth-moving-machinery - Basic types - Vocabulary*.
- ISO 6975: 1997, *Natural gas - Extended analysis - Gas-chromatographic method*.
- ISO 10301: 1997, *Water quality - Determination of highly volatile halogenated hydrocarbons - Gas-chromatographic methods*.
- ISO 10375: 1997, *Non-destructive testing - Ultrasonic inspection - Characterization of search unit and sound field*.
- ISO 11621: 1997, *Gas cylinders - Procedures for change of gas service*.

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (FAX 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (FAX 610-832-9666). ASTM has developed a World Wide Web home page at the following URL: <http://www.astm.org>. The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination:
(the due date for all items is July 10, 1997).

- New Standard, *Guide for Painting Inspectors - Concrete and Masonry Substrates* (Ref. Z4026Z).
- New Standard, *Practice for Exposing Non-Metallic Materials in Accelerated Test Devices That Use Laboratory Light Sources* (Ref. Z5464Z).
- New Standard, *Guide for Substrates Used in Testing Building Seals and Sealants* (Ref. Z5905Z).
- New Standard, *Tables for Reference Solar Spectral Irradiance at Air Mass 1.5 Direct Normal and Hemispherical for a 37 Titled Surface* (Ref. Z5985Z).
- New Standard, *Practice for Evaluating Microbial Susceptibility of Non-Metallic Materials by Laboratory Soil Burial* (Ref. Z6542Z).
- New Standard, *Test Method for Estimating Processing Losses of Plastics and Organosols Due to Volatility* (Ref. Z6660Z).
- C 765-94, *Test Method for Low-Temperature Flexibility of Pre-formed Tape Sealants* (revised standard).
- C 920-95, *Specification for Elastomeric Joint Sealants* (revised standard).
- D 344-96, *Test Method for Relative Hiding Power of Paints by the Visual Evaluation of Brushouts* (revised standard).
- D 5201-91, *Practice for Calculating Formulation Physical Constants of Paints and Coatings* (revised standard).
- D 790-96a, *Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials* (revised standard).

- D 1600-95c, *Terminology for Abbreviated Terms Relating to Plastics* (revised standard).
- D 3350-96, *Specification for Polyethylene Plastics Pipe and Fittings Materials* (revised standard).
- D 4216-92, *Specification for Rigid Poly (Vinyl Chloride) (PVC) and Related Plastic Building Products Compounds* (revised standard).
- D 5588-94¹, *Test Method for Determination of the Microbial Condition of Paint, Paint Raw Materials and Plant Areas* (revised standard).
- D 5930, *Test Method for Thermal Conductivity of Plastics by Means of a Transient Line-Source Technique* (new standard).
- E 119-95a, *Test Methods for Fire Tests of Building Construction and Materials* (revised standard).
- E 200-91, *Practice for Preparation, Standardization, and Storage of Standard and Reagent Solutions for Chemical Analysis* (revised standard).
- E 814-94b, *Test Methods for Fire Tests of Through-Penetration Fire Stops* (revised standard).
- E 1119-92, *Specification for Industrial Grade Ethylene Glycol* (revised standard).
- F 1043-95, *Specification for Strength and Protective Coatings on Metal Industrial Chain Link Fence Framework* (revised standard).
- G 24-87 (1994), *Practice for Conducting Exposures to Daylight Filtered Through Glass* (revised standard).

The following newly published standards are available from ASTM:

- A 484/A 484 M-96, *Specification for General Requirements for Stainless and Heat-Resisting Steel Bars and Shapes, Carbon, Rolled From "T" Rails* (revised standard).
- C 761-96, *Test Methods for Chemical, Mass Spectrometric, Spectrochemical, Nuclear, and Radiochemical Analysis of Uranium Hexafluoride* (revised standard).
- D 412-97, *Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers - Tension* (revised standard).
- D 1079-97, *Terminology Relating to Roofing, Waterproofing, and Bituminous Materials* (revised standard).
- D 1187-97, *Specification for Asphalt-Base Emulsions for Use As Protective Coatings for Metal* (revised standard).
- D 2643-97, *Specification for Prefabricated Asphalt Reservoir, Pond, Canal, and Ditch Liner (Exposed Type)* (revised standard).
- D 2922-96, *Test Methods for Density of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depth)* (revised standard).
- D 3462-97, *Specification for Asphalt Shingles Made From Glass Felt and Surfaced With Mineral Granules* (revised standard).
- D 4439-96, *Terminology for Geosynthetics* (revised standard).
- D 4491-96, *Test Methods for Water Permeability of Geotextiles by Permittivity* (revised standard).
- D 6021-96, *Test Method for the Measurement of Total Hydrogen Sulfide in Residual Fuels by Multiple Headspace Extraction and Sulfur Specific Detection* (new standard).
- E 176-97, *Terminology of Fire Standards* (revised standard).

- E 648-97, *Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source* (revised standard).
- E 906-97, *Test Method for Heat and Visible Smoke Release Rates for Materials and Products* (revised standard).
- E 1527-97, *Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (revised standard).
- E 1745-97 (Includes change to title), *Specification for Plastic Water Vapor Retarders Used in Contact With Soil or Granular Fill Under Concrete Slabs* (revised standard).
- E 1854-96, *Practice for Assuring Test Consistency in Neutron-Induced Displacement Damage of Electronic Parts* (new standard).
- E 1848-96, *Guide for Selecting and Using Ecological Endpoints for Contaminated Sites* (new standard).
- F 1764-97, *Guide for Selection of Hardline Communication Systems for Confined Space Rescue* (new standard).

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

Institute of Electrical and Electronics Engineers (IEEE)

Office: 445 Hoes Lane, P.O. Box 13314
Piscataway, NJ 08855

Contact: Rosemary Tennis

- IEEE C63.22, *Guide for Automated EMC Measurements* (new standard).

Underwriters Laboratories, Inc.

Office: 333 Pfingsten Road
Northbrook, IL 60062-2096

Contact: Mitchell Gold

- UL 1996, *Standard for Safety for Electric Duct Heaters* (revision of ANSI/UL 1996-1994).

Comments, Questions, and Addresses

Comments: If you have any questions or comments, please contact Rick Serbu, EH-31, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, FAX 301-903-6172, Email **Richard.Serbu@eh.doe.gov**. If you have any questions or comments on DOE standards projects, please contact Don Spellman, Oak Ridge National Laboratory (ORNL), 423-574-7891, FAX 423-574-0382, Email **spellmandj@ornl.gov**.

Addresses: To update our distribution list, please contact Marty Marchbanks, ORNL, 423-241-3658, FAX 423- 574-0382, Email **mmf@ornl.gov**.

The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886, Email **lj8@ornl.gov**.



Standards Actions

United States Department of Energy

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